

# Reciprocating Engine Peer Review



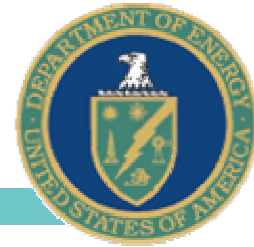
## Overview of Distributed Resources and Electric Reliability and the Importance of Peer Review

**Patricia Hoffman**  
**Office of Distributed Energy and Electric Reliability**

**April 23, 2002**



# The World Continues to Change.....



**Distributed  
Power Units  
Lower  
Manhattan,  
September  
2001**



# EERE Reorganization



Communications &  
Outreach

**Assistant Secretary  
David Garman**

**Principal Deputy  
Doug Faulkner**

Board of Directors

Tom Gross	Abe Haspel
Robert Dixon	Denise Swink
Mark Ginsberg	Sam Baldwin

**DAS for Technology Development –  
Richard Moorer**

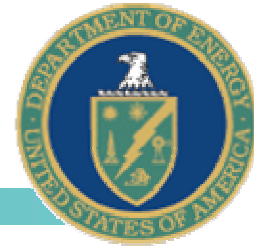
**DAS for Business  
Administration – John Sullivan**

## EERE Program Offices

Solar – Ray Sutula (Acting)  
Wind & Hydropower – Peter Goldman  
Geothermal – Peter Goldman (Acting)  
Distributed Energy and Electric Reliability-Bill Parks  
Biomass – Doug Kaempf (Acting)  
Industrial Technologies – Buddy Garland  
FreedomCAR & Vehicle Technologies – Bob Kirk  
Hydrogen & Infrastructure – Steve Chalk  
Building Technologies – Mike McCabe (Acting)  
Weatherization & Intergov. Grants – John Millhone  
FEMP – Beth Shearer

**Program Execution Support –  
Steve Lee**  
**Planning, Budget & Analysis –  
TBD**  
**Info. & Business Management Sys.  
– Robert Brewer**

# President's Management Agenda



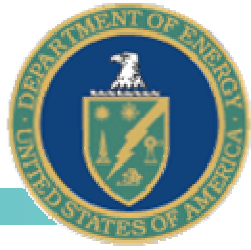
- Results oriented
- Guides energy policy making
- Clearer and more measurable R&D investment criteria

*“...what matters most is performance and results. In the long term, there are few items more urgent than ensuring that the federal government is well run and results-oriented.”*

*“All of us should dedicate ourselves to great goals: We are not here to mark time, but to make progress, to achieve results, and to leave a record of excellence.”*

George W. Bush

# EERE Strategic Program Review



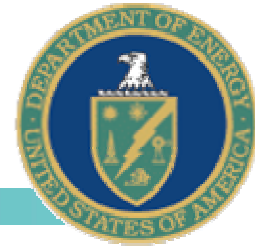
**To determine the historic performance of EERE programs, the SPR examined:**

- EERE technical accomplishments
- External recognition
- Benefits generated for taxpayers

**Areas the SPR identified for improvement are discussed in terms of:**

- Closures
- Redirections
- Watch-lists
- Expansions
- Best Practices

# DEER Portfolio



**Fuel**



**Technology Development:** Microturbines, IC engines, storage, gas turbines, thermally activated technologies



**Technology Packages:** CHP systems, hybrids



**End-use Integration:** Demand management, controls, sensors

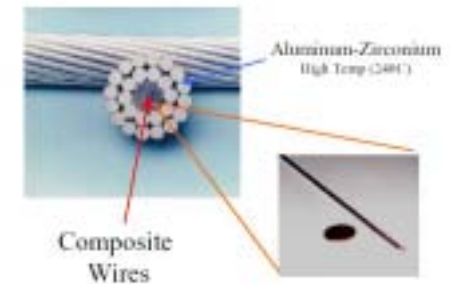


**Utility Integration:** Interconnection, power quality, power electronics



**Distribution Systems:** Load management, power parks, microgrids, storage, superconductivity

**Composite Conductor**



**Transmission Systems:** Tools, sensors, monitoring, advanced technology

# Strategic Partnerships



## PRIORITIES

- **Consistent message**
- **Technology performance targets**
- **Environmental targets**
- **Rate structure**
- **Quantifiable benefits**

